

**Name of work: Construction of Kitchen for new feeding school at Yundrup Cholling PS**

**Bill of Quantity**

Sl. #	Particular	Qty	Unit	Rate in figure	Rate in words	Amount
<b>Clearing</b>						
1	Earthwork in excavation over areas, exceeding 300mm in depth, 1.5 m in width as well as 10 sq.m on plan including disposal of excavated earth (disposed earth to be levelled and neatly dressed): Ordinary Soil	246.02	cu.m			
<b>Sub - Structure</b>						
1	Excavation in foundation trenches or drains not exceeding 1.5m in width or area 10 sq.m on plan, including dressing & ramming, disposal of surplus soil within 50m lead & 1.5m lift: Ordinary Soil	21.12	cu.m			
2	Providing and laying Hand packed stone filling or soling with stones	3.73	cu.m			
3	Providing and laying in position plain cement concrete excluding the cost of centering and shuttering - All work upto plinth level: 1:3:6 (1 cement : 3 sand : 6 graded crushed rock 20 mm nominal size)	2.49	cu.m			
4	Providing & laying Random Rubble Masonry with hard stone in foundation & plinth: In cement mortar 1:4	12.46	cu.m			

5	Providing & laying in position reinforced cement concrete excluding the cost of centering, shuttering and reinforcement - all work upto plinth level: 1:2:4 (1 cement : 2 sand : 4 graded crushed rock 20 mm nominal size)	1.86	cu.m			
6	Providing & fixing Thermo-Mechanically Treated reinforcement bar (Yield Strength 500 MPa) for R.C.C work including cutting, bending, binding and placing in position complete	239.24	kg			
7	Providing & fixing centering and shuttering (formwork), including strutting, propping etc. and removal of formwork: Foundation and plinth etc.	8.66	sq.m			
<b>Super - Structure</b>						
8	Providing & laying Random Rubble Masonry with hard stone in superstructure above plinth, below & including floor 2 level: In cement mortar 1:4	23.68	cu.m			
	Providing & laying Second-Class Half-brick Masonry (125 mm) in superstructure below floor 2 level: In cement mortar 1:3	19.15	sq.m			
9	Providing & fixing in position dressed wood work in frames of doors, windows, clerestory windows and other frames, wrought and framed: Mixed Conifer	2.47	cu.m			
10	Providing & fixing M.S. round or square bars in window frames: 12 mm	26.70	kg			

11	Providing & fixing glass panes with putty, nails including remaining. broken glass panes: 4mm thick plain	6.30	sq.m			
12	Providing & fixing Battened door & window shutters 20mm, with ledges and braces (25 mm), including the cost of hinges: Mixed Conifer	4.51	sq.m			
13	Providing & fixing joists, including hoisting, applying wood preservative on unexposed surfaces: Mixed Conifer	0.67	cu.m			
15	Providing & fixing Mixed Conifer Flooring including fixing with iron screws etc. complete, excluding the cost of frame: 25mm thick, half-lapped	12.00	sq.m			
14	Providing & fixing Wire-gauze Shutters 25mm for doors & windows using galvanised M.S wire gauze 0.56mm dia wire including the cost of hinges: Mixed Conifer	18.00	sq.m			
15	Providing, making & fixing woodwork dressed in traditional cornices complete as per standard design in Mixed Conifer, including applying wood preservative on unexposed surfaces, excluding decorative painting (Measurement to be taken along the cornice and wall junction line): For single-storied structure including phana	27.65	m			

17	Providing & fixing M.S tower bolt (barrel type) with necessary screws etc. complete: 100mm	16.00	each			
	Providing & fixing M.S tower bolt (barrel type) with necessary screws etc. complete: 150mm	2.00	each			
18	Providing & fixing M.S. sliding door bolt, bright finished, enamelled with necessary screws etc. complete: 200mm	2.00	each			
19	Providing & fixing M.S. handle with necessary screws etc. complete: 125mm	12.00	each			
20	Providing & fixing M.S. hook-and-eye with necessary screws etc. complete: 150mm	8.00	each			
<b>Flooring and Trusses</b>						
21	Providing & laying dry earth bedding, including consolidating each deposited layer by watering, ramming and dressing	6.00	cu.m			
22	Providing and laying Hand packed stone filling or soling with stones	4.50	cu.m			

23	Pal cement concrete flooring 1:2:4, finished with floating coat of neat cement: 20mm aggregates, 75mm thick	30.00	sq.m			
24	Providing & fixing roof framing, in trusses, purlins, rafters, posts, post plates including hoisting, etc: Mixed Conifer	1.89	cu.m			
25	Providing & fixing Eaves board (225x25mm) with moulding fitted and fixed with necessary screws: Mixed Conifer	34.25	m			
26	Providing & fixing Corrugated Galvanised Iron (CGI) sheeting, including bolts, hooks and nuts 8mm dia. with bitumen and G.I limpet washers filled with white lead for connection, excluding the cost of purlins, rafter and trusses: 24g	81.32	sq.m			
27	Providing & fixing 600mm ridges or hips in plain G.I. including bolts, hooks and nuts 8mm dia G.I limpet and bitumen washers for connection: 24g.	10.43	m			
<b>Finishing</b>						
28	Providing & laying 20mm cement plaster: C.M 1:4	135.97	sq.m			
29	Providing & applying white or colour washing: White washing with lime, old work, two coats	135.97	sq.m			

30	Providing and laying 50mm thick Plinth Protection and grouted with fine sand mix including well rammed, finishing the top smooth: With cement concrete 1:3:6, 20mm aggregates, laid over 75mm thick layer of compacted gravel (40mm)	26.28	sq.m			
31	Constructing random rubble masonry open surface drain in cement mortar 1:6 including earth work in excavation, 100mm thick concrete base 1:5:10, 40 mm aggregate 25mm thick cement concrete 1:2:4, 12mm aggregate for filling haunches, including 20mm cement plaster with a floating coat of neat cement, disposal of surplus earth: 150 x 200mm depth	36.45	m			
32	Providing & fixing G.I. pipes including G.I. fittings & clamps & repair walls: 15mm	20.00	m			
33	15mm bib cock, vert, c.p knob	2.00	each			
34	Providing and Applying Bhutanese painting in accordance to Traditional Architectural norms: Rab and Ding	1.00	L/s			
		<b>Total</b>				
		<b>Electrical</b>				
		<b>G.Total</b>				